

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 6000 (1971): Rail Tongs for Railways [PGD 6: Earth, Metal And Wood Working Hand Tools]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

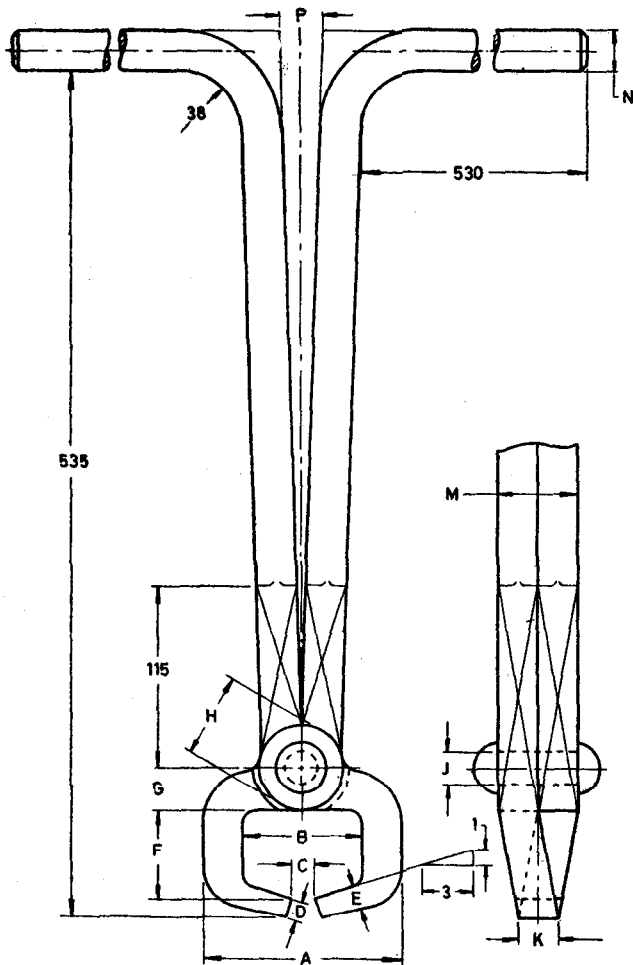
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Indian Standard
SPECIFICATION FOR
RAIL TONGS FOR RAILWAYS

1. **Scope** — Lays down the dimensions and the requirements for rail tongs for railways.
2. **Dimensions**



All dimensions in millimetres.

Nominal Size	A	B	C	D	E	F	G	H	J	K	M	N	P
1	102	64	11	10	13	48	22	44	16	20	44	22	30
2	126	76	14	13	16	56	27	54	20	25	50	25	28

Note — The above dimensions are subjected to normal manufacturing tolerances.

3. **Material** — Suitable steel meeting with the requirements laid down in 4 shall be used, such as C50, C55 and C60 of Schedule II of IS : 1570-1961 'Schedules for wrought steels for general engineering purposes' with a maximum sulphur and phosphorus content of 0.05 percent each.
4. **Hardness** — The hardness when determined 50 mm away from the working edges shall be within the range of 400 to 500 HV [see IS : 1501-1968 'Method for Vickers hardness test for steel (first revision) '].

Adopted 3 February 1971

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Revised

Gr 1

Hand Tools Sectional Committee, EDC 12; Metal Workers' Tools Subcommittee, EDC 12 : 2 [Ref : Doc : EDC 12(1717)]

5. Designation — The rail tongs shall be designated as follows:

Rail Tongs 1 IS : 6000

6. Workmanship and Finish — The rail tongs shall be well-forged to shape and finished smooth all over. All sharp corners shall be removed. The rail tongs shall be free from burrs, cracks, seams or other manufacturing defects.

7. Supply of Rail Tong — The general requirements relating to supply of rail tongs shall conform to IS : 1387-1967 'General requirements for the supply of metallurgical materials'.

8. Marking — The rail tongs shall be marked with the manufacturer's name, initials or trade-mark and the nominal size.

8.1 ISI Certification Marking — Details available from the Indian Standards Institution, New Delhi 1.

9. Sampling — Unless otherwise agreed to between the purchaser and supplier, the procedures given in IS : 2500 (Part I)-1963 'Sampling inspection tables: Part I Inspection by attributes and by count of defects' shall be followed for sampling. The inspection level and sampling plan as given in 9.1 and 9.2 shall be followed.

9.1 The scale of sampling shall be corresponding to inspection level III given in Table 1 of IS : 2500 (Part I)-1963 for all the requirements specified in this standard.

9.2 The sampling plan shall be corresponding to AQL of 4 percent, given in Table 2 of IS : 2500 (Part I)-1963.

10. Preservation and Packing — The rail tongs shall be cleaned, painted and shall be packed in accordance with the best prevalent trade practice.

11. Performance Test — The rail tongs shall lift a load of 100 kgf without showing any sign of distortion in the handle.

EXPLANATORY NOTE

This standard deals with rail tongs employed mostly by the Indian Railways and is based on IRS Specification No. Y3-61 'IRS permanent way tools', IRS Drawing No. Y25(M) 'Rail tongs for broad gauge track' and IRS Drg. No. Y26(M) 'Rail tongs for metre gauge track'. The nominal size 1 is employed for metre gauge tracks and nominal size 2 is for broad gauge tracks.